

Attorney Docket No.: UT-0033  
Inventors: Mujtaba et al.  
Serial No.: 10/009,455  
Filing Date: April 19, 2002  
Page 3

This listing of the claims will replace all prior versions and listings of claims in the application:

**Listing of the claims:**

Claims 1-4: (canceled)

Claim 5: (currently amended) A method for isolating a pure population of mouse glial-restricted precursor cells comprising:

(a) incubating mouse embryonic stem cells from ~~a cell line which contributes to all cell lineages~~ an ES-D3 cell line under differentiation-inducing conditions so that the cells differentiate; and

(b) isolating a pure population of mouse glial-restricted precursor cells by immunoselecting A2B5-immunoreactive cells from the differentiated cells.

Claims 6-8: (canceled)

Claim 9 (new): The method of claim 5 wherein the mouse embryonic stem cells from an ES-D3 cell line are induced to differentiate into glial-restricted precursor cells by plating the cells on poly L-lysine/laminin coated dishes.